



**NO COLOR LINE AT THE FRONT** . . . as American soldiers fight side-by-side for freedom. As they serve, the least we can do is live together in peace and understanding.

## February 20 - 27 Observed As Brotherhood Week In U.S.

Recently in Viet Nam, an American General and others in the medical corps risked their lives while performing an operation to remove a live grenade from the back of a Vietnamese farmer. The grenade was removed without exploding, though it could have been otherwise at the loss of many lives. The first question the man asked was **why**.

"Why did they do this for a lowly Vietnamese farmer like me?" he wanted to know. If the General and the others involved had asked themselves (which they didn't), it is certain that each came to the same answer: **I AM MY BROTHER'S KEEPER!**

Next week the nation again observes Brotherhood Week, a week set aside by the National Conference of Christians and Jews, as a time of rededication to those principles for which America stands . . . "one nation under God, indivisible, with liberty and justice for all."

### Greatness Sets No Barrier

Choose the leaders in the arts, science, politics, humanities, medicine or any other field. You find a Kennedy, a Baruch, a Fermi, a Bunch, a Dr. Salk, a Rubinstein, a Ghandi, a U Thant or a Sandy Koufax. What do they have in common? Greatness . . . talent . . . dedication. Yet they are of many different religions and races.

No one group has a monopoly on leadership since the potential for greatness is in every man, given his basic rights and equal opportunities and the respect of his fellow citizens. And no man in the United States shall be deprived of his basic rights, according to the Constitution. Yet despite the lofty words and all the checks and balances, bias and prejudice still inflict terrible damages upon many of our own people.

### Progress Does Come

Despite the sometimes shocking headlines, each year there is more hope for brotherhood and

there is progress. But progress toward equal opportunity for all must move ahead much faster. And there is something every individual can do about it.

President Johnson has called Brotherhood Week "a time of rededication to the venerated ideals which gave birth to our land and which inspired the founding of such public-spirited groups as the National Conference of Christians and Jews. It is a time of thanksgiving for blessings received and victories won. Above all, however, it is a period of energetic renewal and of restored hope — renewal in the endeavors productive in the past, and hope in their continuing success."

There is no color line on the battle front . . . there should be none on the homefront either. This nation, or no nation for that matter, can afford the costly, corrosive damage of prejudice. In recent days, a Negro paratrooper knelt to give mouth-to-mouth resuscitation to a dying white comrade in Viet Nam. Back in World War II a young Catholic Naval officer risked his life to save his buddies in the turbulent waters off a Pacific atoll. Not once did he ask the faith of his comrades he fought to save. And so it has always been — on every front line, the brave have always acted in the language of brotherhood.

The least we can do on the homefront is the same.

As Peter, Paul and Mary put it in their popular ditty: "If I had a song to sing all over this land. I'd sing out freedom . . . I'd sing out justice . . . I'd sing out love between my brother and my sister all over this land."

### STRONGER THAN DIRT

While watching a football game on a muddy field, one lady said to the other, "I don't see how the players ever get clean."

"You dope," scoffed her friend. "What do you thing the scrub team is for?"

## Criticality Hazards Committee Again Audits Y-12's Nuclear Safety Procedures In The Plant

"It is the policy of the Y-12 Plant to regulate the handling, storage, transfer, and inventory of radioactive sources in order to (1) insure maximum protection to personnel, (2) provide best utilization of radioactive sources, and (3) satisfy contractual requirements for accountability."

Note the order of importance . . . number one is "insure maximum protection to personnel."

The Criticality Hazards Consultants Meeting was recently held in Y-12. The consultants make an independent appraisal of Y-12's nuclear safety program. The nuclear safety program is defined as one to avoid accidental criticality in processing and handling enriched uranium (fissile materials).

### Many Factors Involved

The problems looked at by the committee consisted of the long range expectations in the development of enriched uranium bearing materials; technical requirements for efficient and safe storage of these materials; the transport and shipping container and requirements; the nuclear safety aspects of the consolidation of operations; and the application of criticality calculations by computer.

This year's committee consisted of Hugh C. Paxton, Los Alamos Scientific Laboratory; John W. Morfitt, General Electric Idaho Test Site; and Thomas H. Pigford, University of California, Berkeley.

The three-day meeting gave the consultants the opportunity to review and audit Y-12's policies and philosophies in nuclear safety.

Y-12 personnel, particularly the Radiation Department, were able to supply the visiting panel with information concerning the plant's radiation safety program. The committee visits the plant periodically by invitation.

The audit was ended with a summary meeting with management with comments or recommendations.

## Monday Is Official Holiday For Y-12

Next Monday, February 21, is an official holiday for Y-12ers. The day is being observed as Washington's Birthday which actually falls on Tuesday, February 22. Taking Monday instead of Tuesday will afford all of us a long weekend rather than just a day off.

Not that it matters much, but the Father of Our Country was actually born February 11, 1732. When the calendar changed, his birthday was adjusted to February 22. No employee will be required to work Monday except those whose presence is required for continuous operation or the security of the plant.



1732-1799



**JOHN W. MORFITT**, manager, nuclear materials testing, National Reactor Test Site, Idaho, extreme right, joins the luncheon group at the Criticality Hazards Consultants meeting recently in Y-12.



**H. G. MACPHERSON, MARVIN SCHWENN, Hugh C. Paxton, and William Whitson**, pause during the Criticality Hazards Consultants meeting. Both ORNL divisions and Y-12 groups participated in the review of the plant's nuclear safety program.



## Safety Awards Displayed At Several Plant Sites

There are three safety award displays in the plant . . . one at the Cafeteria, one at West Portal, and one at North Portal. The two at the portals will remain there until next Monday, February 21. They will be moved to Central and Biology Portals, and will remain there until February 25.

The 18 items are currently being selected by Y-12ers for the two safe periods worked during 1965 . . . a cumulative cash value of \$7.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
131 Days Or  
3,570,000 Man-Hours  
Through February 13  
Without A Disabling  
Injury  
Phone 3-7755  
(Unofficial Estimate)  
For Daily Report  
On Accident-Free Hours



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG .....Editor



OFFICE  
Post Office Box Y  
Oak Ridge, Tenn. 37831  
Bldg. 9704-2 Room 137  
Telephone 3-7100

## ASME To Hear Glass Expert At Meeting

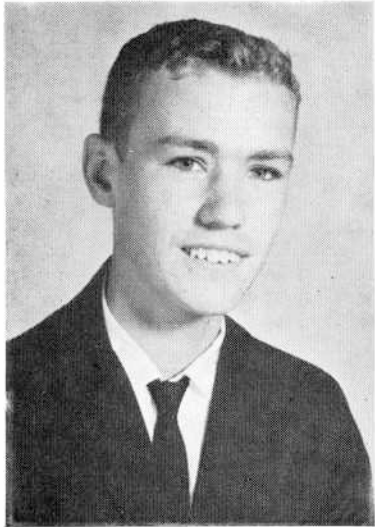
The Oak Ridge Sub-Section of the American Society of Mechanical Engineers will meet tomorrow, Thursday, February 20, at the Elks Lodge, Oak Ridge.

Dr. T. C. Woo, senior engineering associate, Pittsburgh Plate Glass Company, will speak on "Deep Submergence Applications of Glass."

Dr. Woo joined PP&G in 1960 as an applied mathematician. He graduated from Ordnance Engineering College, Chungking, China, in 1946 with a degree in mechanical engineering. He received his MD from the University of Washington and his PhD from Brown University. Since joining PP&G, Dr. Woo has contributed considerable knowledge to the field of viscoelastic phenomena and has provided a better understanding of residual stress buildup in glass annealing and tempering. He has authored and co-authored many articles on elasticity, viscoelastic behavior in glass, and motion of ideal fluids. He is an adjunct member of the graduate faculty of mathematics at the University of Pittsburgh.

The general public is welcome at ASME's meeting tomorrow. The session begins at 8 p.m.

## Hamilton Son Is Made Council Head



Horace E. Hamilton Jr.

Horace E. Hamilton Jr. has been named president of the student council at Farragut High School. The school featured debates and poster slogans in the campaign.

Horace, whose father . . . the Sr. Hamilton is in Y-12's Dispatching, is a senior at Farragut and plans to enter the University of Tennessee this summer to study veterinarian medicine.

One of the Junior's main interests is sports . . . as a spectator. There are brothers Larry, Jimmy, Randy and sister Cynthia at home.



Mrs. William Arthur Goddard



WE BEG TO DIFFER . . .  
with our editor, James A. Young.

Three weeks ago Sir James ran a front page picture spread on a gentleman who looked like D'Artagnan in a Brooks Brothers suit. D'Artagnan, alias Spence Ferguson, designed a shield to keep machinists from getting all cut up when removing metal turnings from lathes.

Sir James, erroneously (unintentionally), said the action was not green sheet material. Not true. Come next June, Fabrication Division can claim savings on chip injury decrease. (If increase, D'Artagnan can try again!)

The last Y-12 report was successful because a lot of small, money-making actions, just like this chip shield, were green sheeted.

Final Tally:

Division	Green Sheets	Dollars
Accounting	5	\$ 18,360
Assembly	33	205,210
Development	48	44,370
Engineering	86	95,920
Fabrication	70	67,630
Industrial		
Relations	2	170
Maintenance	212	274,970
Materials & Services	20	25,600
Metal Preparation	30	166,230
PSS & Utilities	10	51,170
Technical Services	74	67,320
	590	\$1,016,950

## ORGDP Begins Shipment For Pathfinder Plant

Oak Ridge Gaseous Diffusion Plant recently began shipment of more than \$1,700,000 worth of enriched uranium for a nuclear powered electrical generating station. The plant is shipping some 2,400 pounds of enriched uranium (as uranium hexafluoride) enriched to 2.85 per cent in uranium 235 to Nuclear Fuel Services, Incorporated, Erwin, Tennessee, for preliminary processing. The material will be shipped to United Nuclear Corporation, Hematite, Missouri, for fabrication . . . and will be used in the Pathfinder Atomic Power Plant near Sioux Falls, South Dakota.



## GODDARD - PETERS

Miss Glenna Delores Peters and Mr. William Arthur Goddard were united in marriage Tuesday, December 28, at Dante Methodist Church, Knoxville. The Reverends Ronald Ingram, Pulaski, Virginia, and Robert Edmonds officiated.

The bride is the daughter of Mr. and Mrs. Samuel Arthur Peters, 1902 Merchants Road, Knoxville. Her father is in Y-12's Assembly Operations. The groom is the son of Mr. and Mrs. Winfred Weston Goddard, 1600 Paris Drive, Knoxville.

Given in marriage by her father, the bride wore a gown of bridal satin and Alencon lace. She carried a white Bible topped with an orchid. Her shoulder-length veil was held by a crown of satin. Her jewelry consisted of a single strand of pearls.

Mrs. Ray King was her sister's matron of honor. Bridesmaids were Miss Judy Mays, Mrs. Paul Davis, sister of the groom, Mrs. Glenn Davis, Knoxville, and Mrs. Ronald Ingram, Pulaski, Virginia.

Winfred W. Goddard served as his son's best man. Ushers were Dr. Ray King, Paul Davis, Glen Davis, Knoxville, and Dana Skeen, Maryville, uncle of the groom. Steven King, nephew of the bride, was ring-bearer.

A program of nuptial music was presented by Reverend Roy Howard, organist, and Mr. Fred Berry, vocalist.

A reception honoring the couple was given at the church immediately following the rites. Those assisting were Miss Lena Peters, Mrs. Darryl Leinart, and Mrs. Sam Bowman, cousins of the bride.

Mrs. Goddard is a graduate of the University of Tennessee, and is a teacher at Norwood Elementary School, Knoxville. The groom is employed by General Acceptance Corporation.

The couple is at home at 1902 Merchants Road, Knoxville.

## Oak Ridge Chorus In Concert Saturday

The Oak Ridge Civic Music Association will present the Oak Ridge Chorus in concert this Saturday, February 10. Franklin Choset will direct the chorus in music from Buxtehude, Grieg, Milhaud to Glen Gould. The concert, beginning at 8:15 p.m. carries the theme "From the Baroque to Now."

The Madrigal Singers will sing "Three Roundelays" by Jean Berger, with texts taken from Shakespearean plays.

Tickets for the concert will be available at the box office at the Oak Ridge High School Auditorium.

## Munich's Konecny Leads Physics Division Seminar

Friday's Physics Division seminar features Ewald Konecny, Technische Hochschule, Munich, Germany. He will discuss "Determination of Fine Structures in the Nuclear Charge Distribution of Fission Fragments."

The seminar is set for Friday, February 18, at 3:15 p.m., in the Central Auditorium of Building 4500.



CHILDREN WON PLENTY of prizes at E, F, G, H and J Shift's big party night held February 5 in Oak Ridge. Happy prize winners are seen in the two above photographs.

## Record Crowd Jams Into E, F, G, H, J Party Held In Oak Ridge Saturday, February 5

E, F, G, H and J Shifts staged a big get-together Saturday, February 5, at the Ridge Recreation Hall. By 7:20 p.m. all the seats were taken and extra chairs were brought in by starting time. There were 144 total attending. The kids came in for their 'fair share' of the loot, too. The large crowd was bucking two basketball games at home, too, one in Oak Ridge . . . the other at UT.

Look at the winners: Candy Ellis, electric carving knife; A. C. Lee, outing kit; Dean Dew,

fry pan; Jay Smith, blanket; Luzell Slaughter, tape recorder; Helen Underwood, stainless steel flatware; Joyce Rollen, luggage; Barbara Crump, leather flask set; Larry Allison, rug cleaner and floor polisher; Brenda Plemons, bedspread; Elaine Stoezl, griddle; Paul Brandon, two stools; G. D. Ray, warming tray; Edward Hensley, blankets; D. C. Stevens, Sunbeam shaver; Kim Rey, can-opener; Frances Davis, camera outfit; and Jack Halburnt, wrist-watch.

## Biologist To Speak At RESA Meeting

Norman G. Anderson, Biology Division, will address the next meeting of the Scientific Research Society of America. The RESA meeting is set for next Monday, February 21, at 8 p.m. at Jefferson Junior High School, Oak Ridge.

Dr. Anderson's subject will be "Physical Approaches to Cellular Substructure: The MAN Program." This will be a discussion of the studies in progress at the K-25 Power House which are concerned with the isolation of viruses and subcellular particles. Th chief interest at present is in the search for candidate human viruses and for virally induced antigens which may persist in tumor cells.

Anderson has been with the Biology Division of ORNL since 1952. He received his bachelor's, master's and doctorate degrees from Duke University. During World War II he served in the United States Navy.

There is no charge for Monday's meeting and the public is invited to attend. Refreshments will be served after the meeting.

## Try-Outs Set Monday For 'Roman Candle'

A cast of 15 (12 men and three women) between the ages of 20 and 60 will be needed for roles in the Oak Ridge Playhouse's final production this season "Roman Candle." Tryouts will be held Monday, February 21, at 7:30, at the Playhouse in Jackson Square.

"Roman Candle" is a joke-filled farce about our armed services in the missile age. It has a pretty girl who is blessed with extra-sensory perception, a handsome nuclear scientist who finds himself the object of her affections, a senator, his daughter, a supercilious intelligence officer, a bland Army medico, an explosive General, and a jealous Admiral, among others. The play will open for six performances on April 29 and will go into rehearsal in mid-March.

Previous dramatic experience is not required and tryouts are open to everyone.

## BATTLE OF THE WITS

The wisest men make fools of themselves about women, but even the most foolish of women are wise about men.





**LOOKS LIKE BOWLERS** coming on to challenge their more-than-able parents, doesn't it? Evelyn Zang, left, and Ginger O'Kain, right, won the doubles in the American Junior Bowling Congress's Bantam division recently in Oak Ridge. Evelyn is the daughter of Carol and Harold Zang (Facilities Engineering) . . . Ginger is the daughter of Bill and Ruby (Data Processing) O'Kain. Ginger also tied for first place in singles rolling.

## Has Beens Sport Basketball Lead

Y-12's Losers opened last week's Basketball League play by falling to the Nats to the tune of 52 to 32. Again Ernie Neal pulled the strings for the Nats in a loosely played game. Neal and Wayne Parsons led the attack in a bruising ball game which saw the Nats steadily pull away. Neal and Parsons each fired 16 through the bucket. Gordon Edison fired nine for the losers.

The Fearless Five kept its spotless record clean in game number two last Monday by taking the Fungi easily 52 to 17. The FF team continues to dominate both boards. Ray Cooper and Larry Finch fired from the outside, while Cloy Goetch and George Luttrell did their damage under and on the boards. Luttrell and Cooper fired 12 through the basket . . . Walt Porter scored six for the losing Fungi.

### Game Is Called

The final game Monday started out to be a real good one. It was a good defensive game with both teams playing heads-up basketball . . . with Jim Atherton and Bill Kirksey guarding each other well and matching each other's points. Early in the fourth quarter the M&C team drew a technical foul. After the foul-shooting by the Has Beens, the referee called the game a forfeit with six minutes and 10 seconds remaining . . . declaring the Has Beens the victors, 39 to 25.

ORNL's Bombers opened Wednesday's play by downing the Metals & Ceramics 37 to 35 in a thriller. Jim Wike and Butch Armistead led the score with 10 and 11 points. Roy Vandermeer scored 15 for the losing squad . . . Jim Atherton had 10.

The Fungi downed the Losers in game number two 28 to 26. d Bailiff led the winners with 11, Gordon Edison scored 13 for the losing Losers.

The Fearless Five - Collegians game was postponed until a later date.

### League standings follow:

Team	W	L
Has Beens, Y-12	5	0
Bombers, ORNL	3	0
Fearless Five, ORNL	2	0
Metals & Ceramics, ORNL	3	2
Nats, ORNL	2	2
Collegians, Y-12	1	2
Fungi, ORNL	1	3
Isotopes, K-25	0	3
Losers, Y-12	0	5

## Volleyball Still In Beaver's Hands

Sweeping wins went to three teams in the Volleyball League last week. The Neutrinos took the Naughts 15-4, 15-4, 15-9 and 15-6. The Set-Ups downed the Bat Boys 15-0, 15-0, 15-0 and 15-0.

Y-12's league-leading Beavers crushed the Yanks, also from Y-12, 15-0, 15-4, 15-3, and 15-3.

K-25 Instruments won the first three games 15-12, 15-7, 15-11 from the Ecobums . . . the Bums taking game number four 8 to 6 . . . called because of time. The Reactors downed the Y-12 Eagles in game number one 15-12 . . . the Eagles, however, returned to take the next three, 15-6, 15-1 and 16-14.

The Old Men defeated the Mix-Ups 15-7, 15-3 and 15-11 . . . the Mix-Ups winning game number three 15-13.

Team	W	L
Beavers, Y-12	31	1
Set-Ups, ORNL	27	5
Neutrinos, ORNL	25	7
Old Men, ORNL	21	11
K-25 Instruments	20	12
Eagles, Y-12	19	13
Ecobums, ORNL	19	13
Reactors, ORNL	14	18
Naughts, ORNL	10	22
Mix-Ups, K-25	3	22
Bat Boys, Y-12	2	30
Yanks, Y-12	1	31

## Reverse Race Seen In Bush Alleys

"Looks like the bottom rail is on top," says Bush Bowlers . . . as the Untouchables all but cinched the last half standings in rolling last week. They took three points from the Reagents (who, you will remember, took the league's first half by a single half-point score.) But if first half standings had anything to do with it, look at the Untouchables . . . they finished in the cellar!

Other games saw the Beavers take three from the FLUBS and the Outcasts take three from the Dry Hides.

The Untouchables are a full five points out in front . . . with only two more sessions in league play to go.

Roger Cloyd, Beavers, took all individual highs last week, rolling singles of 205 scratch, 238 handicap; and series of 549 and 649. The Beavers were best on singles with 975. The Dry Hides took high scratch series counting with 2288 . . . while the Beavers returned to the boards with 2815 handicap series.

### League standings follow:

Team	W	L
Untouchables	24	8
Reagents	19	13
Dry Hides	16	16
FLUBS	13	19
Beavers	12	20
Outcasts	12	20

## Bowling Dead-Line Day Is Next Thursday!

Next Thursday, February 24 is the final day for entering Y-12's big Bowling Tournament. All plant - wide competition among alleymen is set for Saturday and Sunday, March 5 and 6.

If your league secretary is out of entry blanks give R. T. Cantrell a ring at 3-7109 . . . he can fix you up.

gles with 948 scratch, 1085 handicap . . . but the Sunflowers were superior in series with 2648 and 3029.

Team	W	L
Badgers	23	5
Sunflowers	21	7
Rounders	19	9
Strikers	16	12
Parabusters	14	14
Invalids	14	14
HiLifers	12	16
Rollmasters	12	16
Rodders	11	17
Fireballs	11	17
Shud-A-Beens	8	20
Big Five	7	21

## Recreation



**Monday, February 21**  
HOLIDAY FOR Y-12ERS.

BOWLING: C League, 5:45 p.m., Bush League, 8 p.m., Ark Lanes.

PISTOL LEAGUE: 7:30 p.m., Anderson County Gun Club, Clinton.

TABLE TENNIS: 7 p.m. Wild Cats Den, Oak Ridge.

**Tuesday, February 22**  
PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gymnasium.

**Wednesday, February 23**  
BOWLING: Mixed League, 8 p.m., Ark Lanes.

BASKETBALL: Beginning 6:30 p.m., Jefferson Junior High School Gymnasium. The Fungi vs. Collegians; Isotopes vs. Losers; and Fearless Five vs. Bombers.

**Thursday, February 24**  
BOWLING: Classic League, 5:45 p.m., Ark Lanes.

VOLLEYBALL: Beginning 6:30 p.m. Robertsville Junior High School Gymnasium. Court One: Mix-Ups vs. Bat Boys; Ecobums vs. Neutrinos; Set-Ups vs. Reactors. Court Two: Beavers vs. Eagles; Yanks vs. K-25 Instruments; and Old Men vs. Naughts.

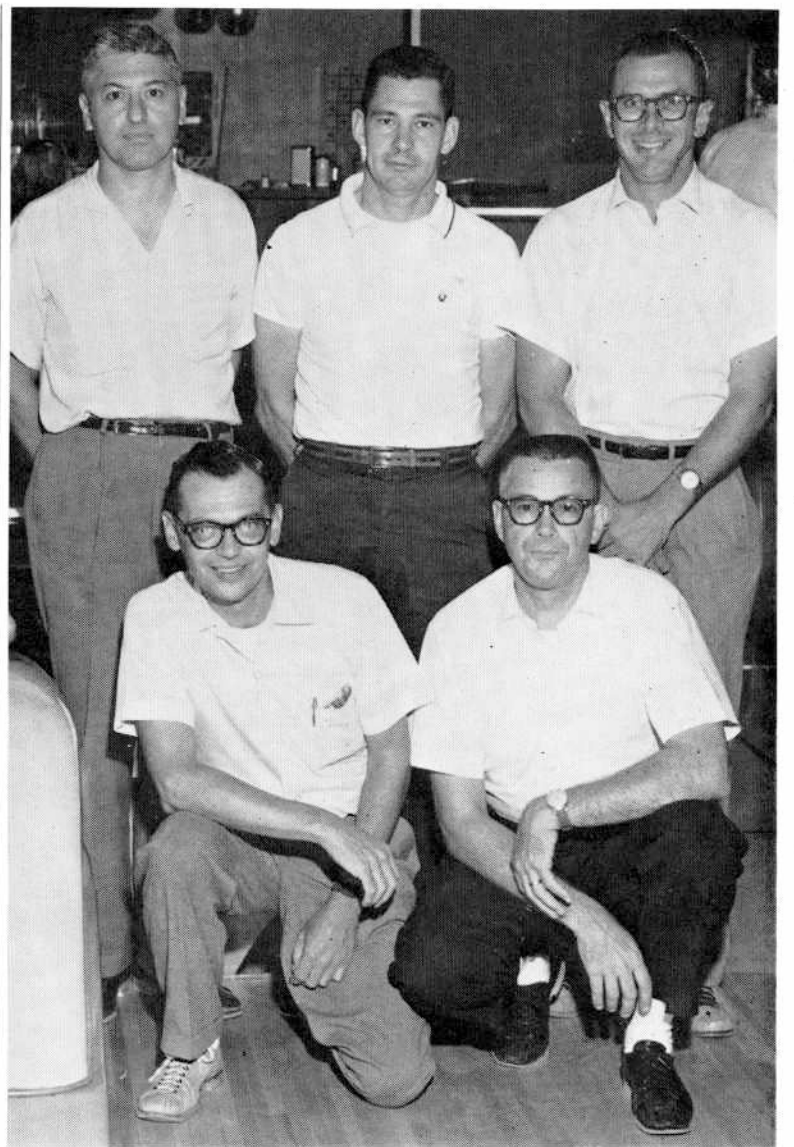
BOWLING: 4:30 p.m. Dead-line for entering March 5, 6 Y-12 Plant Tournament.

## Badgers Assume C Alley Top Spot

The Badgers assumed the lead in the C Bowling race last week by virtue of a four point win over the Big Five. The Sunflowers moved into second place by knocking off the Rounders by the same count. Three point wins went to the Strikers over the Shud-A-Beens, the Invalids over the Parabusters and the Rollmasters 'round the Rodders. The HiLifers and Fireballs shared two points.

J. W. Halsey, Sunflowers, and A. E. Smith, Badgers, rolled a 222 scratch game. Frank Winstead, Rollmasters, posted a 250 handicap single. Halsey rolled high series counts with 649 scratch, 712 handicap.

The Badgers were best on sin-



**THE ALL STARS** are big contenders in the Classic League's 16-team bowling race. Kneeling from left are H. D. Whitehead and A. B. Townsend. Standing are Captain Tom Pappas, R. A. Huber and Otto Briscoe.

## Cub's George Mitchel Rolls A 264 Game In Classic Bowling Competition!

The Bumpers kept their hair-line lead in the Classic Bowling League last week by walloping the Wolves for the full count. The only other four-point win of the night went to the All Stars over the Splinters. Three points went to the Markers over the Playboys, the Eightballs over the Rippers, the Rebels over the Swingsters, and the Wasps past the Screwballs. The Cubs managed two and one-half points at the expense of the Smelters . . . and the Tigers and Has Beens split two.



**Geo. Mitchel**

George Mitchel, Cubs, set the alleys afire in singles . . . rolling a 264 scratch game! This was boosted to a 313 handicap single. Frank Tiller, Tigers, took series highs, with a 639 scratch, 702 handicap.

The Has Beens swept the team

boards . . . singles of 940 scratch, 1079 handicap . . . series of 2684, and 3101.

Team	W	L
Bumpers	19	5
Markers	17	7
Tigers	15	9
Eightballs	15	9
Swingsters	14	10
Wolves	13	11
Has Beens	13	11
Cubs	12½	11½
Rebels	11	13
All Stars	11	13
Rippers	10	14
Playboys	10	14
Splinters	9	15
Wasps	9	15
Smelters	7½	16½
Screwballs	6	18

## Goofers Take Over Mixed League Lead

The Goofers moved into first place standings in the Y-12 Mixed League last week by bowling three points past the Better Halves. The Subs took four from the Chumps, the Alley Cats three from the Blue Angels, and the Twisters wrangled three from the Mustangs.

Louie Anfinson, subbing for the Alley Cats, posted a 195 scratch game. Her series of 564 scratch, 588 handicap were high also. Dixie Stinnett, Twisters, gained a 229 handicap single. Joe Smyrl, Subs, posted singles of 232 scratch, 263 handicap. His 516 scratch series was a tie with Bob Hagood, Goofers. Ed Cothron, Better Halves, took a 612 handicap series.

The Alley Cats took singles in scratch counting, 654. The Subs rolled a 793 handicap single score. The Alley Cats took series highs, 1895 scratch, 2225 handicap.

Team	W	L
Goofers	18	6
Better Halves	17	7
Subs	15½	8½
Alley Cats	14½	9½
Chumps	10	14
Blue Angels	9	15
Mustangs	6	18
Twisters	6	18

## Y-12 Pistol League To Open Winter Play

The Y-12 Winter Pistol Shooting season is set to begin next Monday, February 21. The matches will be held at Anderson County Gun Club, Clinton, at 7:30 p.m. The program will be set up based on the number of participants and a handicap system will be utilized to help the less-experienced shooter.

All Y-12 employees are invited to join in the fun . . . bring the families, too. No fee is charged and the only cost to each individual is the ammo. Call W. A. Less, extension 3-7507, or Clinton 457-2819, if interested.



**UNION CARBIDE** UNION CARBIDE CORPORATION  
NUCLEAR DIVISION

RETURN POSTAGE GUARANTEED

Post Office Box Y  
Oak Ridge, Tennessee—37831

BULK RATE  
U. S. Postage  
**PAID**  
Oak Ridge, Tenn.  
Permit No. 71

## Adkins Son Takes Artillery Training



Pvt. Johnny M. Adkins

Pvt. Johnny M. Adkins, son of Mr. and Mrs. K. M. Adkins, 126 North Jefferson Circle, Oak Ridge, has completed advanced artillery training as a cannoneer at the Army Artillery and Missile School, Fort Sill, Oklahoma. Pvt. Adkins' father is in Y-12's General Expediting and Auxiliary Services Department.

Adkins was trained to serve as a crewman in field artillery gun and howitzer units. His training included maintenance of field artillery weapons and firing artillery weapons, howitzers and heavy machine guns. Instruction was also given in ammunition handling and communications. He also learned tactical employment of self-propelled field artillery combat vehicles and techniques of driving wheeled vehicles used to transport weapons, personnel and supplies.

Pvt. Adkins entered the U.S. Army last September and completed basic training at Fort Jackson, South Carolina.

The 20-year-old soldier is a 1963 graduate of Oak Ridge High School. He also attended Knoxville Business College. Before entering service, he was employed by the Robertshaw Controls Company, Knoxville.

## Carbide's Zendel Protects Fruit Trees

A lightweight, long-lasting plastic netting has been used to protect tree-grown fruit during the ripening period when it is vulnerable to birds. The protective material is a weather-resistant polyethylene netting developed by Union Carbide's Plastics Division and sold under the ZENDEL trade mark. During 1965, a two-acre plum orchard was chosen as a test . . . and the protected trees yielded 40 per cent more than the exposed trees.

The meek shall inherit the earth, we're told. If they've got good sense they won't take it.

## Graphite Reactor Made US Landmark

Oak Ridge National Laboratory's Graphite Reactor has been named a national historic landmark. Stewart Udall, Secretary of the Interior, approved the landmark status for the reactor because it was found to "possess exceptional value in commemorating or illustrating the history of the United States."

The Graphite Reactor, which began operation in 1943, played a pioneering role in the development of atomic energy during World War II. It was the second nuclear reactor to be built — following closely after the successful operation of the first pile built by Enrico Fermi and his staff on December 2, 1942. It served as the prototype for plutonium-producing reactors for the atomic bomb. Later, it also played a key role in the development of the peaceful uses of atomic energy, and was for many years, the primary source of radioisotopes in the United States. The reactor was retired after 20 years and is now on a standby status.

## Table Tennis Race Narrows In 2 Sets

Several matches got played last week in the Table Tennis League as fair skies and clearing roads made everyone breath a little easier. In the X League, sweeps were taken by B. Bullock over E. O'Rourke, W. D. Jones over F. W. Shull . . . and K. Bunzl over O'Rourke. Bill Maddux took three from H. Mook . . . Roy Huddleston won four from Bullock and Loyd Wyatt took four at the expense of Maddux.

League standings follow:

Player	W	L
R. L. Huddleston	17	3
L. E. Wyatt	17	3
W. B. Motley	9	6
K. Bunzl	11	9
W. D. Jones	11	9
W. A. Maddux	11	9
B. Bullock	10	10
H. Mook	8	12
F. W. Shull Jr.	1	19
E. O'Rourke	0	15

In the Y League it was F. Kertesz over J. Lewin for five . . . G. W. Brewer over G. F. Moretto for the same; Lewin over Campbell King; and Kertesz over R. Pilloton . . . all for the full count. A. J. Norris won three from V. R. R. Uppuluri.

League standings follow:

A. J. Norris	11	4
G. W. Brewer	14	6
V. R. R. Uppuluri	13	7
F. Kertesz	12	8
E. F. Gambill	5	5
J. Lewin	10	10
A. J. Weinberger	5	5
C. R. King	0	5
G. F. Moretto	0	10
R. Pilloton	0	10



**Rider wanted from South Knoxville to any portal, straight day.**  
E. E. Cook, plant phone 3-5445, home phone Knoxville 577-4786.



As February wanes, more Y-12ers move into select groups celebrating important milestones with Union Carbide. Congratulations.

### 20 YEARS

**Campbell R. King**, Wage Standards and Personnel Records, February 19.

**Edward W. Bailey**, Mechanical Development, February 21.

### 15 YEARS

**William C. Jones**, 9766 Machine Shop, February 16.

**Walter H. Norman**, Arc Melting, February 16.

**Herbert P. Frederick**, Machine Maintenance, February 17.

**Harold C. Lauder milk**, Process Maintenance, February 18.

**John McGhee Jr.**, Dispatching Department, February 19.

**J. R. Barkman**, Chemical Services, February 19.

**Thomas K. Bishop Jr.**, Instrument Engineering, February 19.

**Vernon C. Beckner**, Chemical Services, February 19.

**Fred Vaughn**, General Shop Inspection, February 19.

**Mamie R. Cox**, Production Analysis, February 19.

**James A. Margrave**, Guard Department, February 19.

**John R. Gresham**, General Field Shops, February 19.

**Brice Martin Burrus**, Cage Certification Laboratory, February 19.

**Douglas D. McNew**, Chemical Services, February 19.

**William S. Porter**, Industrial Relations Administration, February 20.

**Charles A. Beer**, Research Services, February 20.

**Keath Patrick**, General Can Fabrication Shop, February 20.

**Kenneth L. Prewitt**, General Shop Inspection, February 20.

**Luther Bond**, Area Five Maintenance, February 21.

**Fred A. Tallent Jr.**, Beta Two Shop, February 21.

### 10 YEARS

**Robert W. Johnson**, Laboratory Development, February 20.

## Peter Brown Cops Slot Car Trophy



Peter Brown

The latest fad out among the smaller set is Slot Car Racing . . . and Peter Brown, son of Clarence Brown, Dimensional Inspection, is right up there.

Peter recently was a 50-lapper winner in the Junior Division at the East Village Model Car Raceway. He received a trophy for the performance of his Russkit Spider.

He nosed out Gary Cotterell and Rick Lawson and Stanley Alderidge . . . the latter two tying for third place.



**BOY ASLEEP** . . . a striking photograph of a worn-out tyke took third place in the February judging for the Carbide Camera Club. W. L. Russell, ORNL employee in 9210, snapped the above of his son asleep on the lounge. March's judging will be "Still Life and Abstracts."

## Camera Clubs' March Competition Centers On Abstracts - Still Lives

Approximately 60 members turned out for the February 8th meeting of the Carbide Camera Club. The program was a color slide showing called "Let's Peek Over Their Shoulders," an informal discussion on nature photography.

The next meeting is set for Tuesday, March 8, 8 p.m. Competition for March will be "Still Life and Abstracts." The program consists of a 16mm travelog by Ralph Rogers, Knoxville, called "Sailing in the Leeward Islands." The movie covers a two-week

period aboard a 57-foot sailing schooner from Saint Martin to Martinique . . . in the Caribbean. Last year Rogers took some underwater photographs using a homemade rig. While he doesn't have any of the resulting movies to show, he is bringing along the outfit to demonstrate the setup and explain his techniques. Rogers made the same trip in reverse that was covered in a recent National Geographic magazine article. As a matter of fact, he was sailing the same area used by the Society for their article.



Shirley Jean Ellison

## Honor Society Picks Y-12er's Daughter

The Lonnie Ellison family, Lenoir City, is justly proud of daughter Shirley Jean in her first year at Hiwassee College, Madisonville. They have just learned she was recently accepted as a member of Phi Theta Kappa. This organization is made up of students in the college who maintain not less than a 3.0 average (B) in their individual courses of study.

Shirley is a 1965 graduate of Lenoir City High School where she was active in the band, literary club, Future Teachers' Association, and Future Homemakers of America. Shirley is especially interested in math, book-keeping and music. At Hiwassee, Shirley is a member of the college choir and is a reporter for the Hiwassee Staff. She is interested in secretarial pursuits, and plans to enter Tennessee Wesleyan College after her graduation from the two-year college.

An older sister, Mary Ann, is graduating from Hiwassee this year, and a younger sister, Linda Lou, is a sophomore at Lenoir City High School. Lonnie Jr. is in the sixth grade at Lenoir City.

The proud Ellison father is in Y-12's Utilities Administration.

## No Cold Car For Cabs As Chill Is Broken!

The recent weather, of course, brought plenty of groans from Y-12ers . . . gasps of chilly air entering the lungs, complaints about frozen pipes, cars that wouldn't start, and chains that were hard to put on.

Lynn B. Cabe, Facilities Engineering, had a new twist to the myriad number of gripes around the plant . . . his car burned up. Lynn says his son had worked on frozen cars all day last Monday, January 31. So, he had no intention of doing the same on Pop's auto. Monday night he put two light bulbs and a blanket in the car to keep the interior a little warmer. He did. When the Cabs arose Tuesday morning, the whole thing was a loss!

## La Shinsky Will Lead Thermonuclear Seminar

Dr. Herbert La Shinsky, University of Maryland, will conduct this week's Thermonuclear Division seminar. He will speak on "Non-Linear Phenomena in Universal Plasma Instabilities."

The seminar is set for 9 a.m. Thursday, February 17, in the TD Conference Room, Building 9201-2.